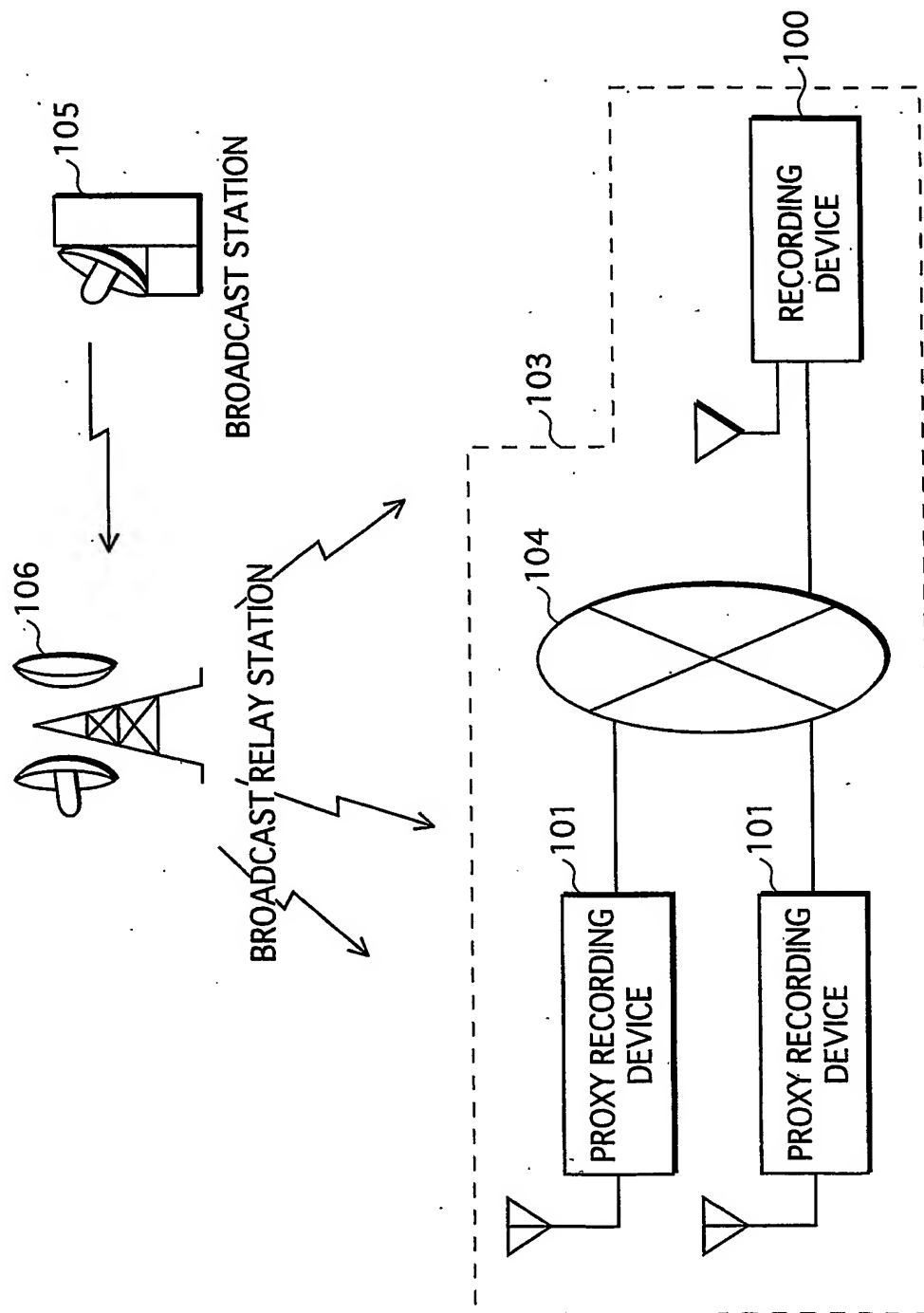
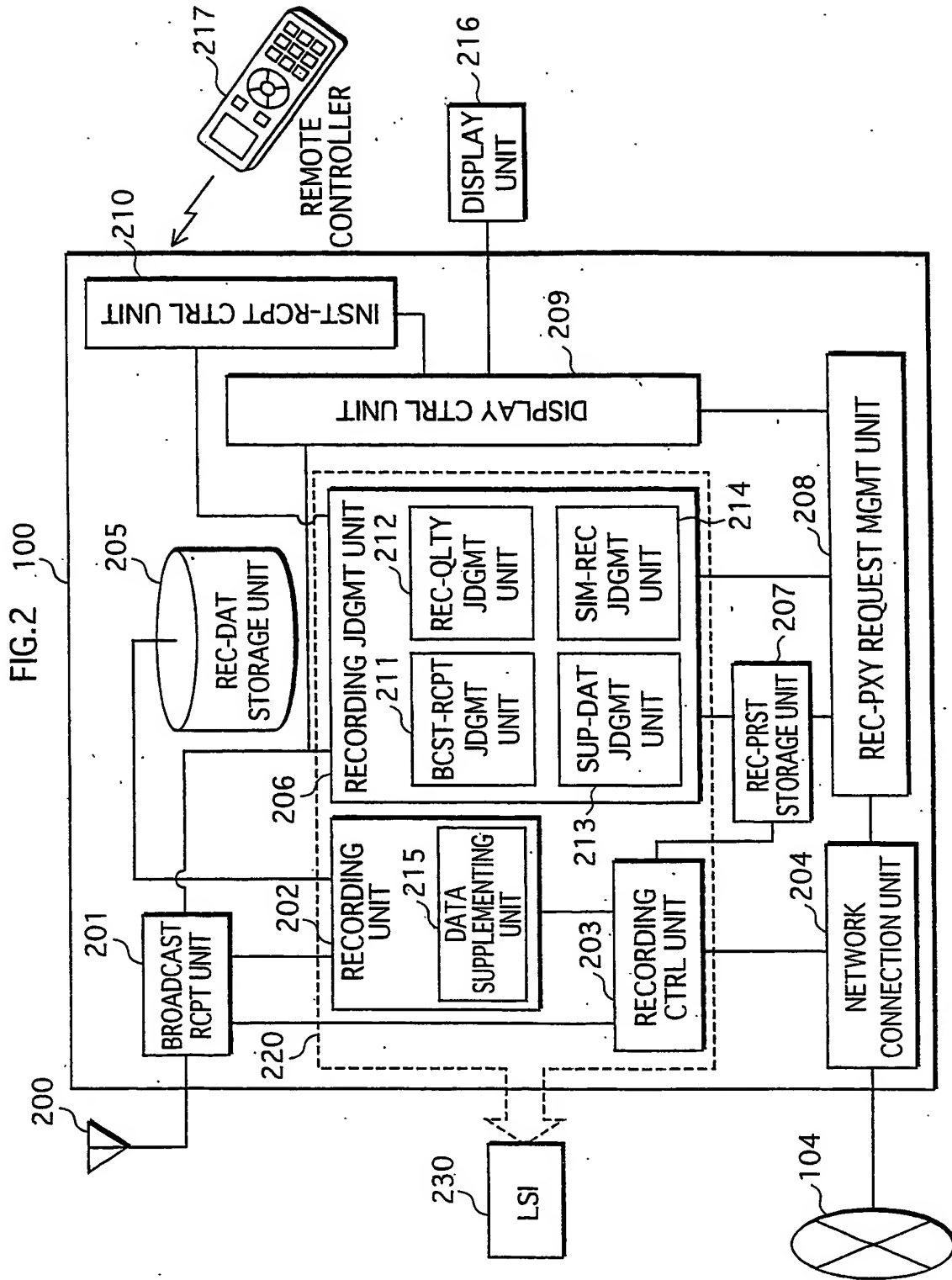


FIG.1





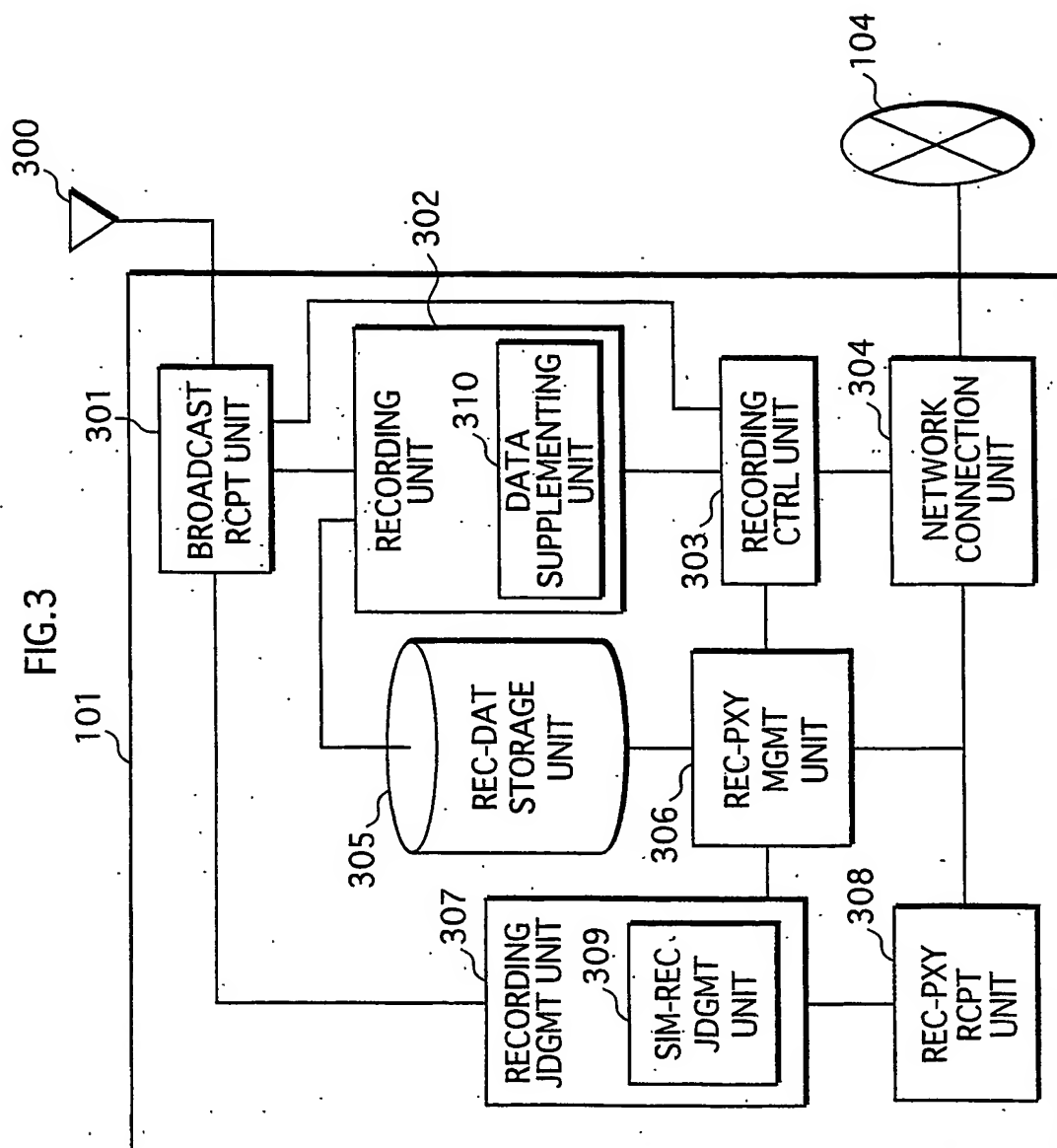


FIG.4

400 PROGRAM TABLE				401	402	403	404
PROGRAM ID	GLOBAL CH. ID	START DATE-TIME	END DATE-TIME				
:	:	:	:				
021230047012000	04701	2002/12/30 20:00	2002/12/30 20:53				
021230047012053	04701	2002/12/30 20:53	2002/12/30 21:00				
:	:	:	:				
021230089022000	08902	2002/12/30 20:00	2002/12/30 20:53				
021230089022053	08902	2002/12/30 20:53	2002/12/30 21:00				
021230089042000	08904	2002/12/30 20:00	2002/12/30 20:30				
:	:	:	:				

FIG. 5

500 CHANNEL INFORMATION TABLE

RECEIVABLE CH. REGION ID 47 (YOKOHAMA/KAWASAKI)	GLOBAL CH. ID	RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID
1	04701	2	08902
3	04702	4	08904
4	04703	6	08906
6	04706	8	08908
8	04708	10	08910
10	04710	12	08912
12	04712	19	08919
42	04742	34	08934
46	04746	36	08936

FIG. 6

600 RECORDING CAPABILITY TABLE

601	IMG-QLTY CAPABILITY SUBTABLE	605		602	CH-RCPT CAPABILITY SUBTABLE	606	
	IMAGE QUALITY				RECEIVABLE CH. REGION ID		
	MPEG2 VBR				89		
	MPEG2 CBR						
603	SIM-REC CAPABILITY SUBTABLE						
	SIM-REC NUMBER	607					
	1						
604	DAT-SUP CAPABILITY SUBTABLE						
	CORNER INDEXING	608			CAPTION RECOGNITION	609	
	OFF				OFF		
	SIMPLE						

FIG.7

700 CRN-INDX-CLASS. MASTER TABLE

701		702
ID	CORNER INDEXING	
1	OFF	
2	SIMPLE	
3	ADVANCED	
:	:	

FIG.8

800 CPT-RECOG CLASS. MASTER TABLE

ID	CAPTION RECOGNITION
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.9

900 IMG-QLTY CLASS. MASTER TABLE

ID	IMAGE QUALITY
1	MPEG2 VBR
2	MPEG2 CBR
3	MPEG4
4	MPEG4 AVC
5	MPEG2 VBR(HQ)
:	:

FIG.10

1000 REC-PXY CAPABILITY LIST

<div style="display: flex; justify-content: space-between;"> 1001 1002 </div> <div style="display: flex; justify-content: space-between;"> PXY-REC DEVICE ID:22360679 </div>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">IMAGE QUALITY</th></tr> <tr><td>MPEG2 VBR</td></tr> <tr><td>MPEG2 CBR</td></tr> <tr><td>MPEG4</td></tr> <tr><td>MPEG4 AVC</td></tr> </table>	IMAGE QUALITY	MPEG2 VBR	MPEG2 CBR	MPEG4	MPEG4 AVC	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">RECEIVABLE CH. REGION ID</th></tr> <tr><td>06</td></tr> <tr><td>26</td></tr> <tr><td>30</td></tr> </table>	RECEIVABLE CH. REGION ID	06	26	30
IMAGE QUALITY										
MPEG2 VBR										
MPEG2 CBR										
MPEG4										
MPEG4 AVC										
RECEIVABLE CH. REGION ID										
06										
26										
30										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">SIM-REC NUMBER</th></tr> <tr><td>20</td></tr> </table>		SIM-REC NUMBER	20							
SIM-REC NUMBER										
20										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: left;">CORNER INDEXING</th> <th style="width: 50%; text-align: left;">CAPTION RECOGNITION</th> </tr> <tr> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>SIMPLE</td> <td>SIMPLE</td> </tr> </table>		CORNER INDEXING	CAPTION RECOGNITION	OFF	OFF	SIMPLE	SIMPLE			
CORNER INDEXING	CAPTION RECOGNITION									
OFF	OFF									
SIMPLE	SIMPLE									

...

<div style="display: flex; justify-content: space-between;"> 1003 1004 </div> <div style="display: flex; justify-content: space-between;"> PXY-REC DEVICE ID:01200121 </div>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">IMAGE QUALITY</th></tr> <tr><td>MPEG2 VBR</td></tr> <tr><td>MPEG3 VBR(HQ)</td></tr> <tr><td>MPEG2 CBR</td></tr> <tr><td>MPEG4</td></tr> <tr><td>MPEG4 AVC</td></tr> </table>	IMAGE QUALITY	MPEG2 VBR	MPEG3 VBR(HQ)	MPEG2 CBR	MPEG4	MPEG4 AVC	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">RECEIVABLE CH. REGION ID</th></tr> <tr><td>01</td></tr> <tr><td>02</td></tr> <tr><td>03</td></tr> <tr><td>04</td></tr> <tr><td>07</td></tr> </table>	RECEIVABLE CH. REGION ID	01	02	03	04	07
IMAGE QUALITY													
MPEG2 VBR													
MPEG3 VBR(HQ)													
MPEG2 CBR													
MPEG4													
MPEG4 AVC													
RECEIVABLE CH. REGION ID													
01													
02													
03													
04													
07													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th style="text-align: left;">SIM-REC NUMBER</th></tr> <tr><td>12</td></tr> </table>		SIM-REC NUMBER	12										
SIM-REC NUMBER													
12													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: left;">CORNER INDEXING</th> <th style="width: 50%; text-align: left;">CAPTION RECOGNITION</th> </tr> <tr> <td>OFF</td> <td>OFF</td> </tr> <tr> <td>SIMPLE</td> <td>SIMPLE</td> </tr> <tr> <td>ADVANCED</td> <td>ADVANCED</td> </tr> </table>		CORNER INDEXING	CAPTION RECOGNITION	OFF	OFF	SIMPLE	SIMPLE	ADVANCED	ADVANCED				
CORNER INDEXING	CAPTION RECOGNITION												
OFF	OFF												
SIMPLE	SIMPLE												
ADVANCED	ADVANCED												

FIG.11

1100 RECORD PRESETTING CONTENT				
PROGRAM ID	IMAGE QUALITY	CORNER INDEXING	SUPPLEMENTARY DATA	
			CAPTION RECOGNITION	
021230089022000	MPEG2 CBR	SIMPLE	OFF	

FIG.12

1200 RECORD PRESETTING LIST				
1201		1202	1203	1204
PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA		
		CORNER INDEXING	CAPTION RECOGNITION	
:	:	:	:	:
021230089022000	MPEG2 CBR	SIMPLE	OFF	OFF
021230089022053	MPEG4	OFF	SIMPLE	SIMPLE
:	:	:	:	:

FIG. 13

1300 REC-PXY REQUEST ACCEPTANCE LIST					
1301		1302	1303	1304	1305
PROGRAM ID	PXY-MGMT ID	PXY-REC DEVICE ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
:	:	:	:	CORNER INDEXING	CAPTION RECOGNITION
021230047012000	0987654321ab	22360679	MPEG2 CBR	ADVANCED	OFF
021230047012053	0987654321ad	01200121	MPEG4	OFF	SIMPLE
:	:	:	:	:	:

FIG.14

1400 RECORDING DATA ACQUISITION LIST					
1401		1402		1403	1404
PROGRAM ID		PXY-MGMT ID	PXY-REC DEVICE ID	IMAGE QUALITY	SUPPLEMENTARY DATA
021230047012000		0987654321ab	22360679	MPEG2 CBR	CORNER INDEXING
:		:	:	:	CAPTION RECOGNITION
					ADVANCED
					OFF
					:

FIG.15

1500 RECORDING PROXY CAPABILITY TABLE

1501 IMG-QLTY CAPABILITY SUBTABLE

IMAGE QUALITY
MPEG2 VBR
MPEG2 CBR
MPEG4
MPEG4 AVC

1502 CH-RCPT CAPABILITY SUBTABLE

RECEIVABLE CH. REGION ID
06
26
30

1503 SIM-REC CAPABILITY SUBTABLE

SIM-REC NUMBER
20

1504 DAT-SUP CAPABILITY SUBTABLE

CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE

FIG.16

1600 RECORDING-PROXY REQUEST MANAGEMENT TABLE

1601	1602	1603	1604	1605	1606
PXY-MGMT ID	PXY-REC DEVICE ID	PROGRAM ID	IMAGE QUALITY	CORNER INDEXING	SUPPLEMENTARY DATA CAPTION RECOGNITION
:	:	:	:	:	:
0987654321ab	012345678	021230089062000	MPEG2 CBR	SIMPLE	OFF
0987654321ac	173205081	021226047011700	MPEG4	SIMPLE	OFF
0987654321ad	314159265	021231089062123	MPEG2 VBR	ADVANCED	ADVANCED
:	:	:	:	:	:

FIG.17

1703 USER MANAGEMENT TABLE			1701		1702
1700			USAGE-AGREEMENT CONTENT		PXY-HIST INFO.
PXY-REC DEVICE ID	COURSE	LIMIT	COUNT	TIME	DATA VOL.
:	:	:	:	:	:
012345678	DATA VOL. LIMIT	20Gb	4	2 HR 45 MIN	1.8G
173205081	USAGE-COUNT LIMIT	30 TIMES	6	5 HR 40 MIN	6Gb
:	:	:	:	:	:

FIG.18

1800 USAGE-AGREEMENT MASTER TABLE		
1801		1803
COURSE	LIMIT	COURSE CONTENT
FLAT RATE	NONE	UNLIMITED USAGE
TIME LIMIT	10 HRS	USAGE POSS. UP TO TIME LIMIT
	20 HRS	
	30 HRS	
USAGE-COUNT LIMIT	10 TIMES	USAGE POSS. UP TO COUNT LIMIT
	20 TIMES	
	30 TIMES	
DATA VOL. LIMIT	10Gb	USAGE POSS. UP TO DATA VOL. LIMIT
	20Gb	
	30Gb	
PAY-BY-USAGE	NONE	PAY BY NO. OF USAGES
PAY-BY-TIME	NONE	PAY BY TIME PERIOD USED
PAY-BY-VOLUME	NONE	PAY BY VOL. OF RECORDED DATA
:	:	:

FIG.19

1900 RECORDING DATA MANAGEMENT TABLE						
1901		1902	1903	1904	1905	1906
REC-DAT MGMT NAME	PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY/DATA		STORAGE ADDRESS	
			CORNER INDEXING	CAPTION RECOGNITION		
:	:	:	:	:	:	
021230089062000_M2v_CO_T0.mpg	021230089062000	MPEG2 VBR	ADVANCED	OFF	xxx.yyy.zzz/RecDATA/....	
021230089062123_M2v_CO_T2.mpg	021230089062123	MPEG2 VBR	OFF	ADVANCED	xxx.yyy.zzz/RecDATA/....	
:	:	:	:	:	:	

FIG.20

2000 RECORDING DATA ACQUISITION LIST		
2001	2002	2003
REC-DAT MGMT NAME	PXY-MGMT ID	PXY-REC DEVICE ID
:	:	:
021230089062000_M2v_C2_TO.mpg	0987654321ab	012345678
021230089062123_M2v_C0_TO.mpg	0987654321ad	314159265
:	:	:

FIG.21

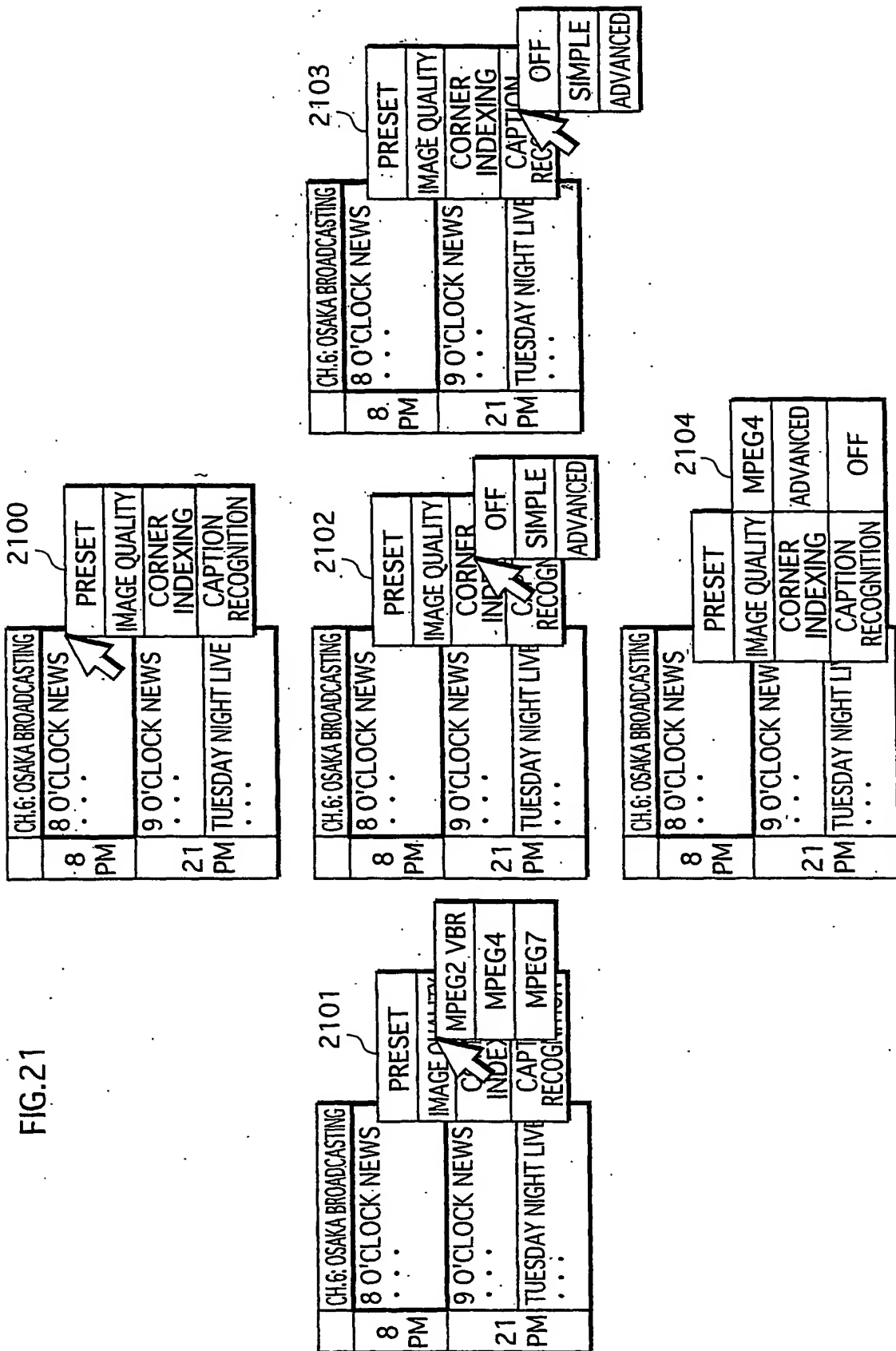


FIG.22

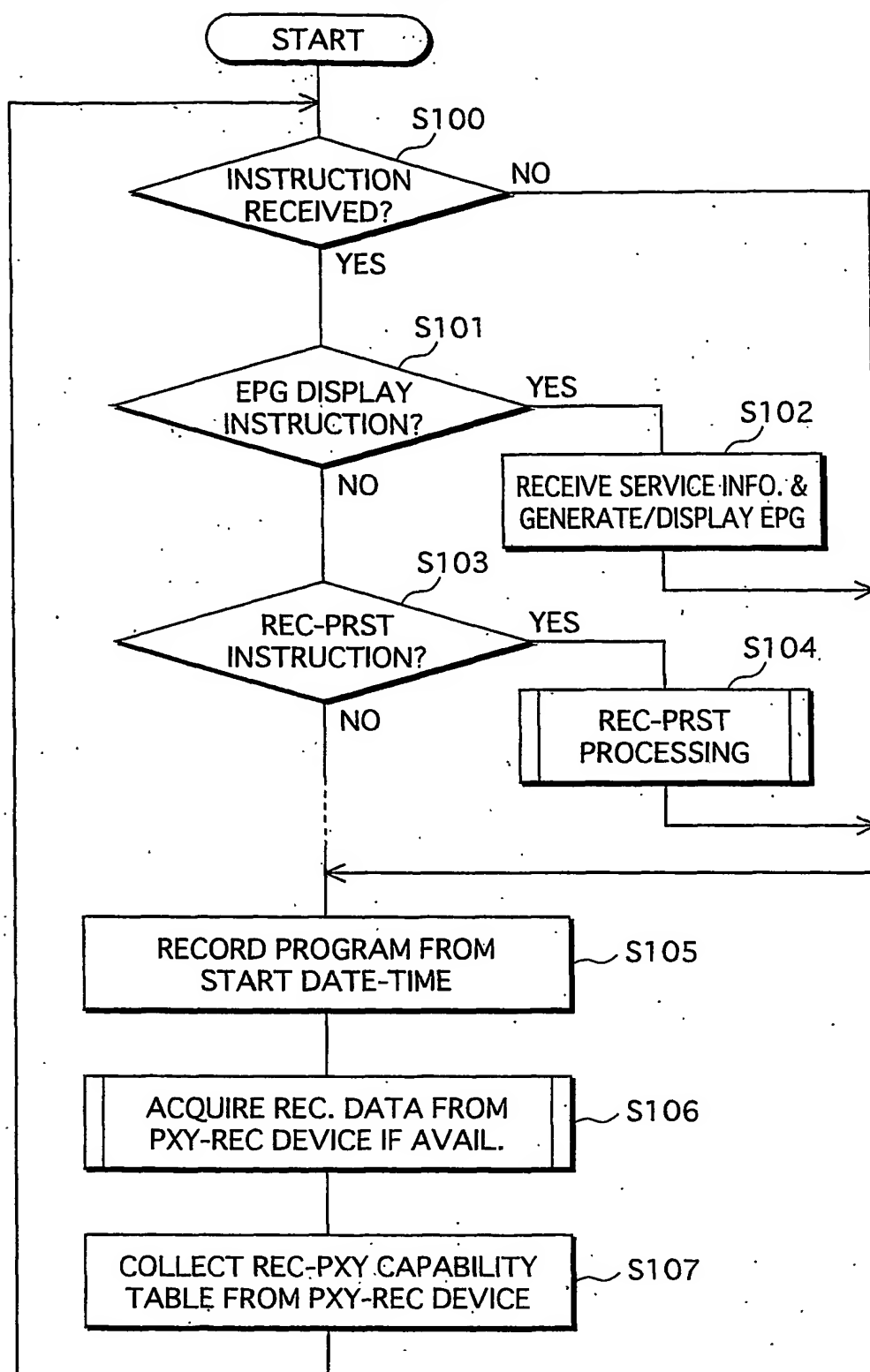


FIG.23

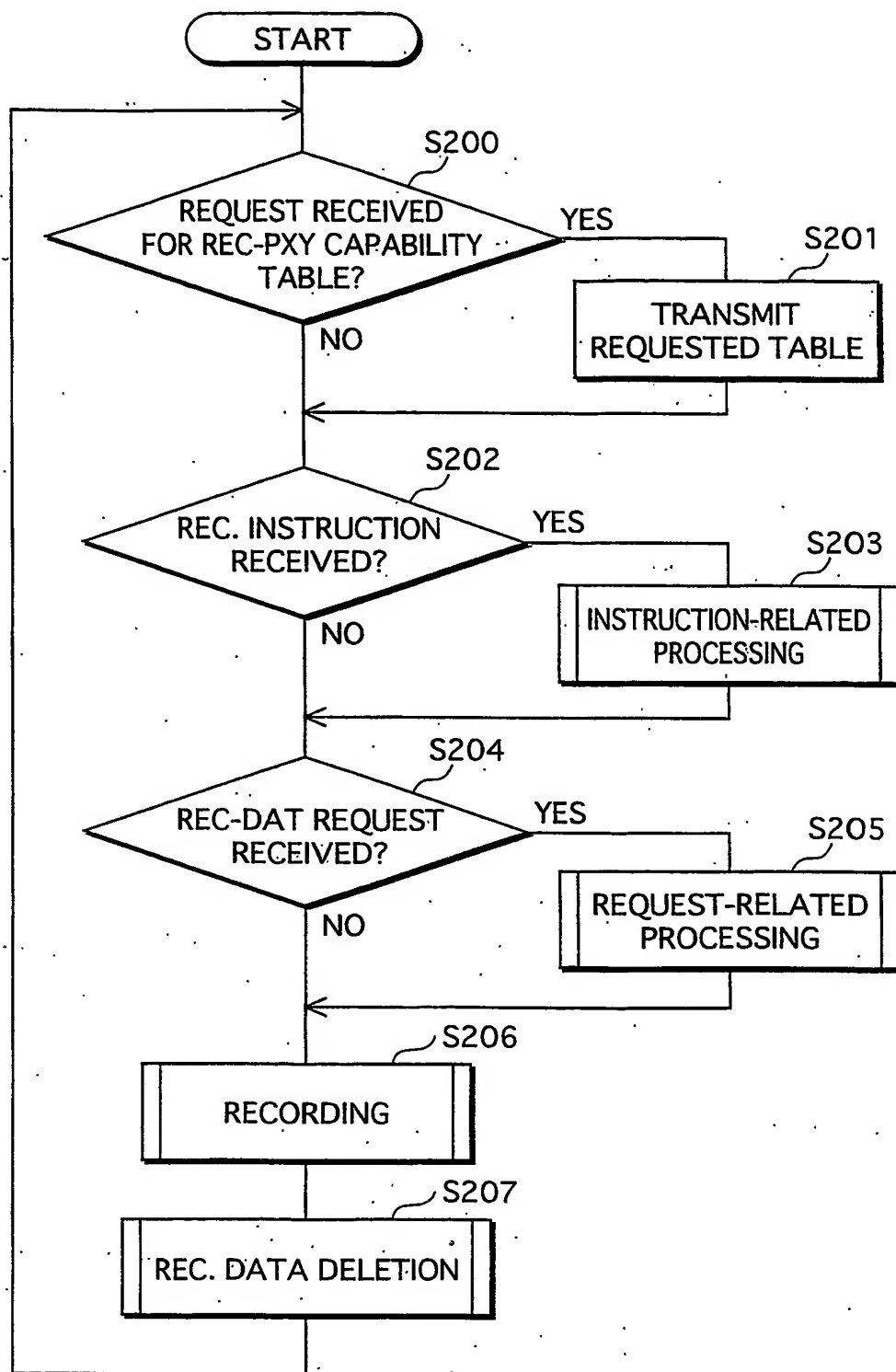


FIG.24

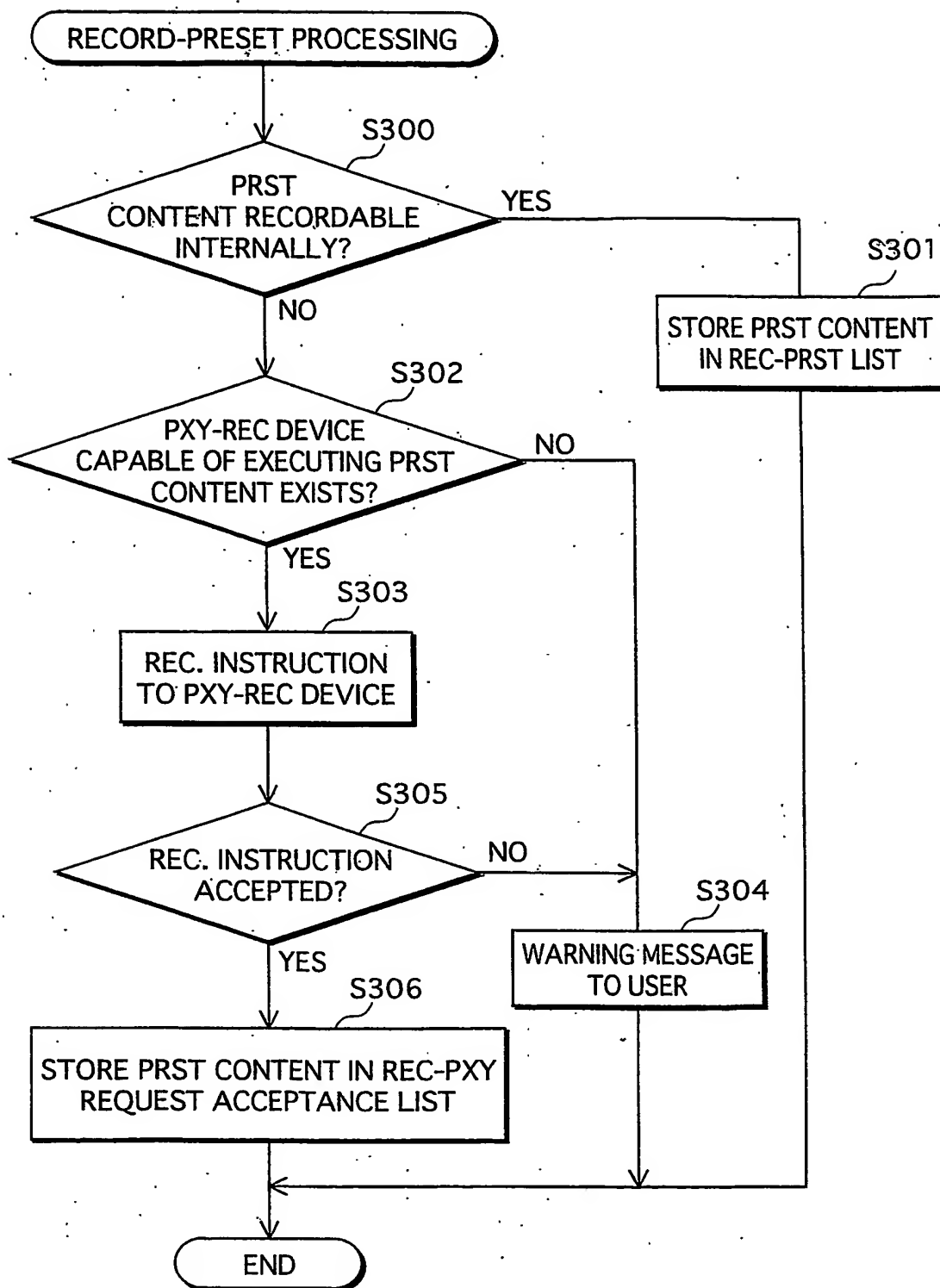


FIG.25

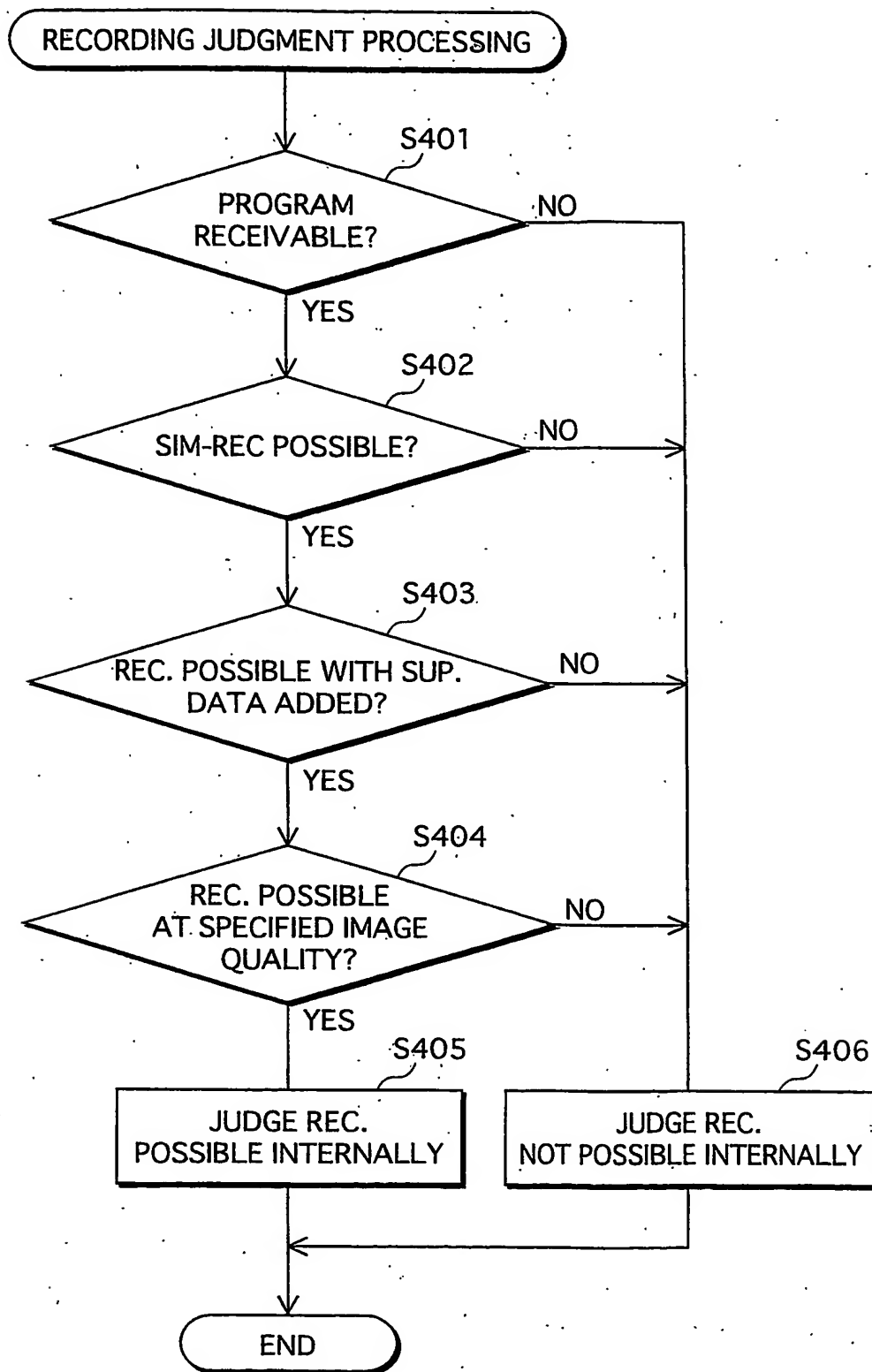


FIG.26

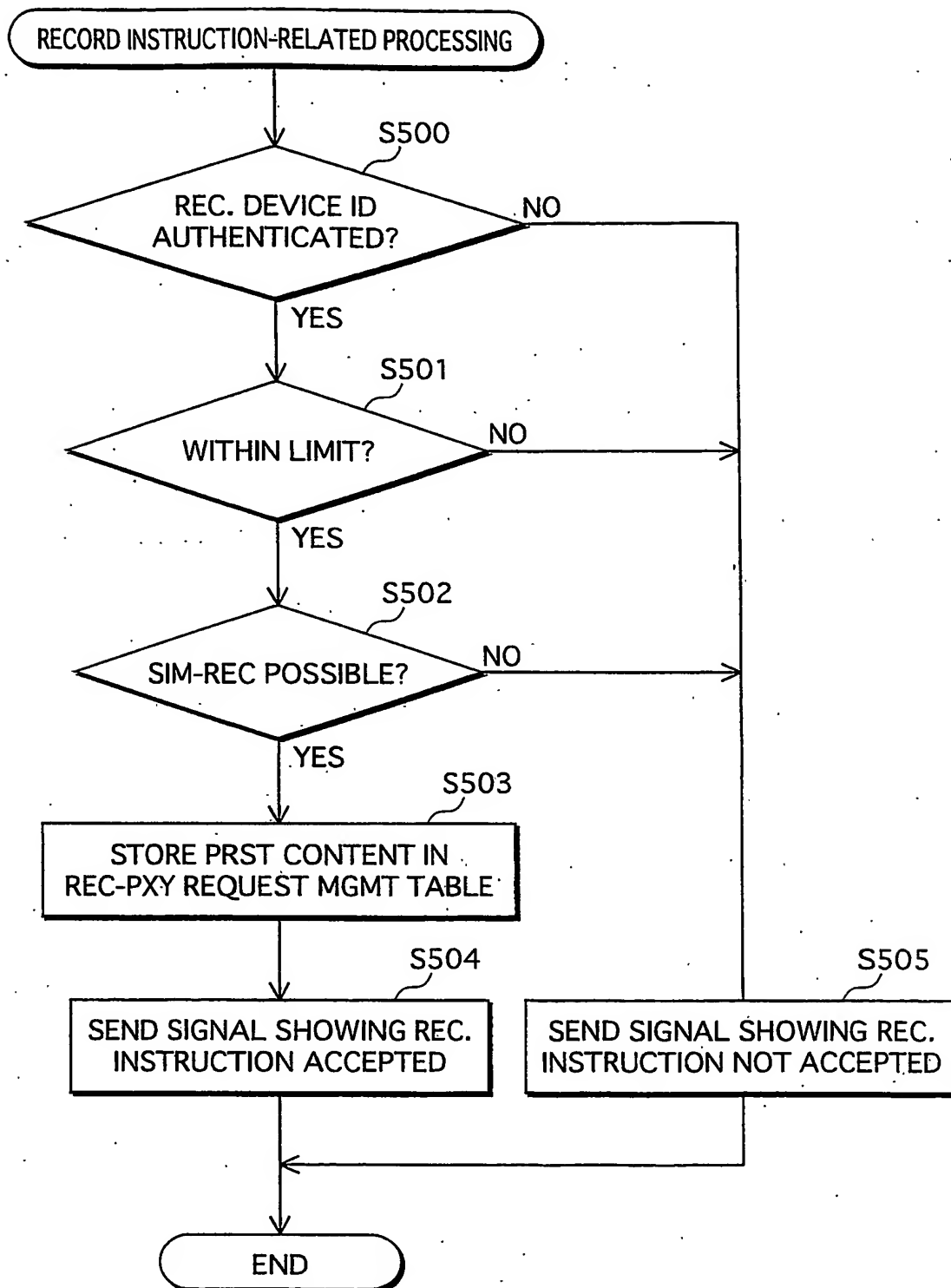


FIG.27

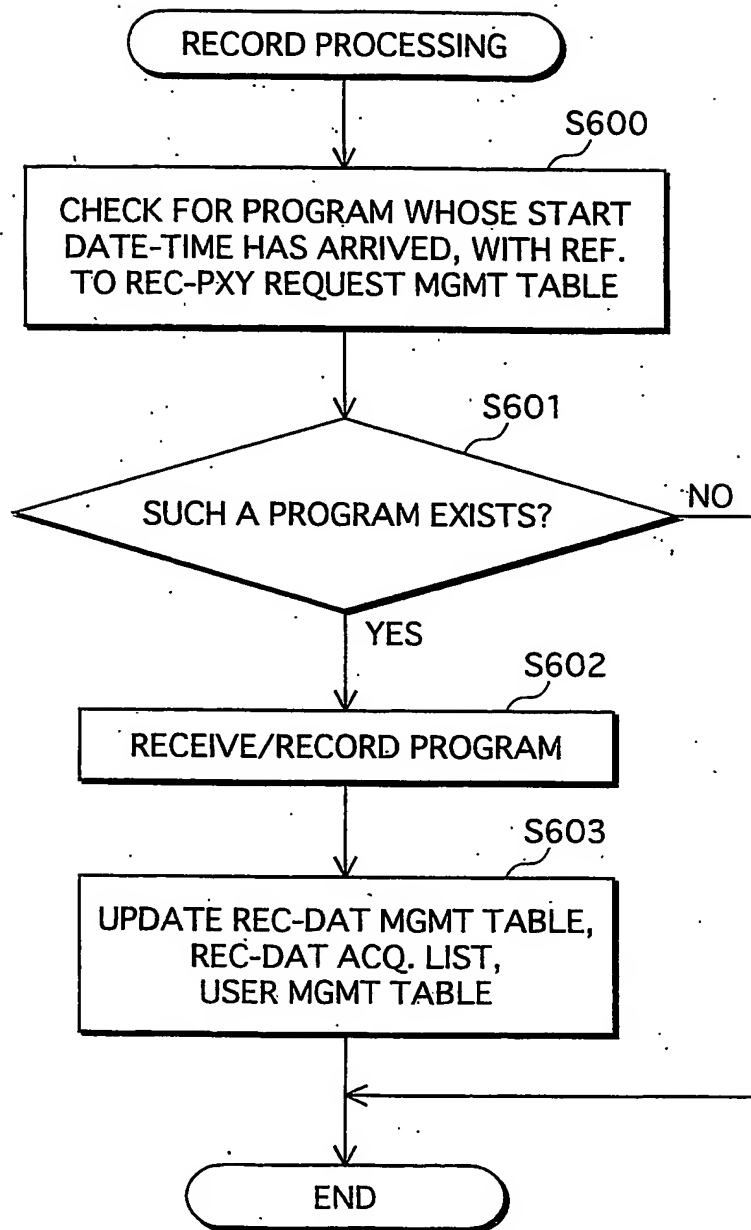


FIG.28

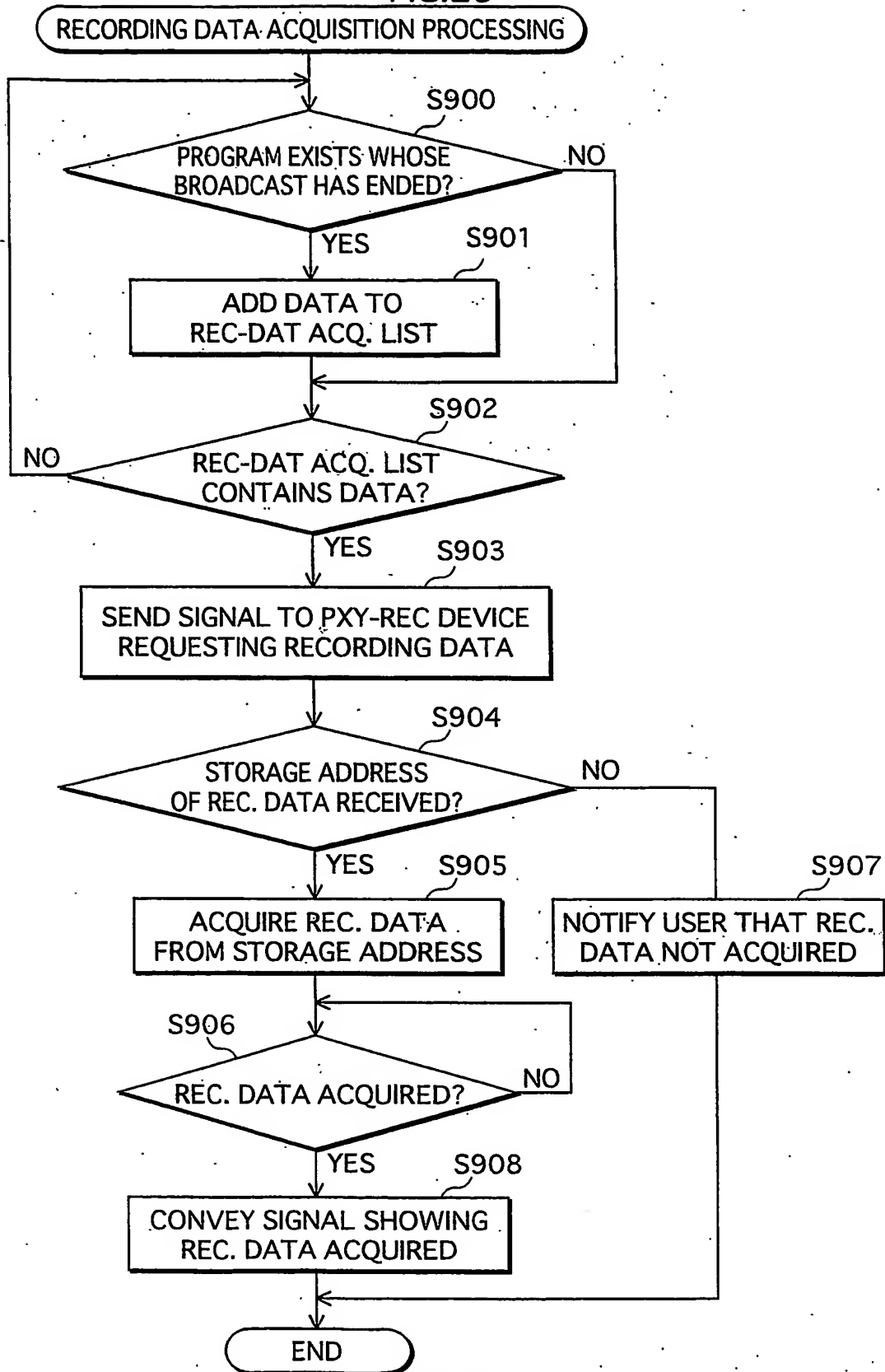


FIG.29

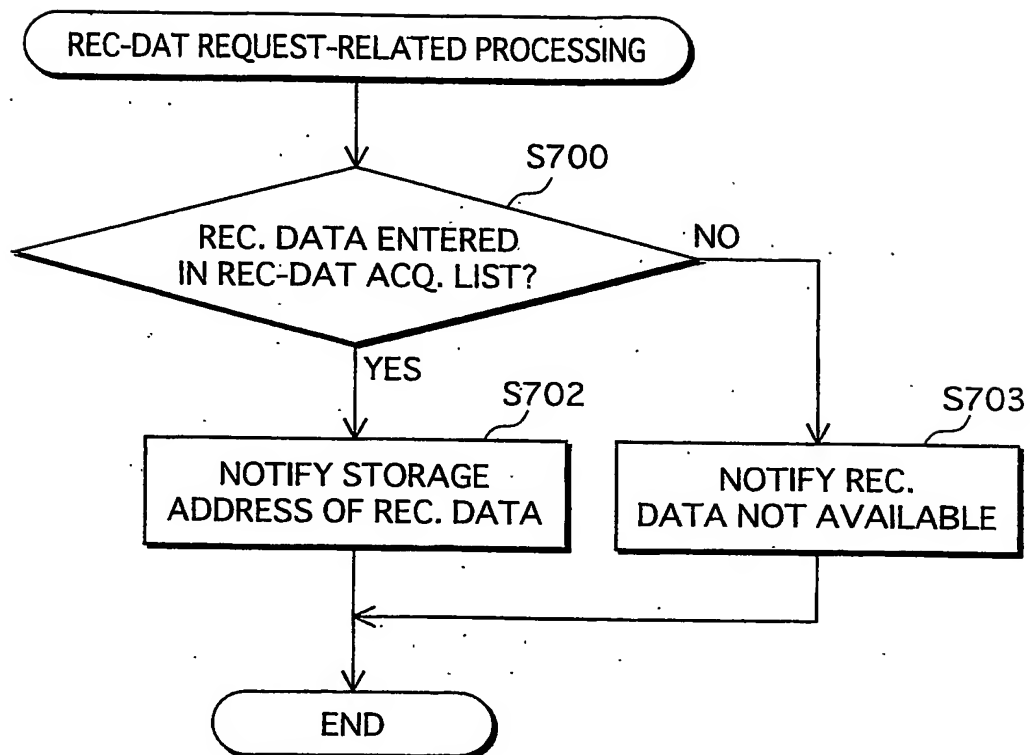


FIG.30

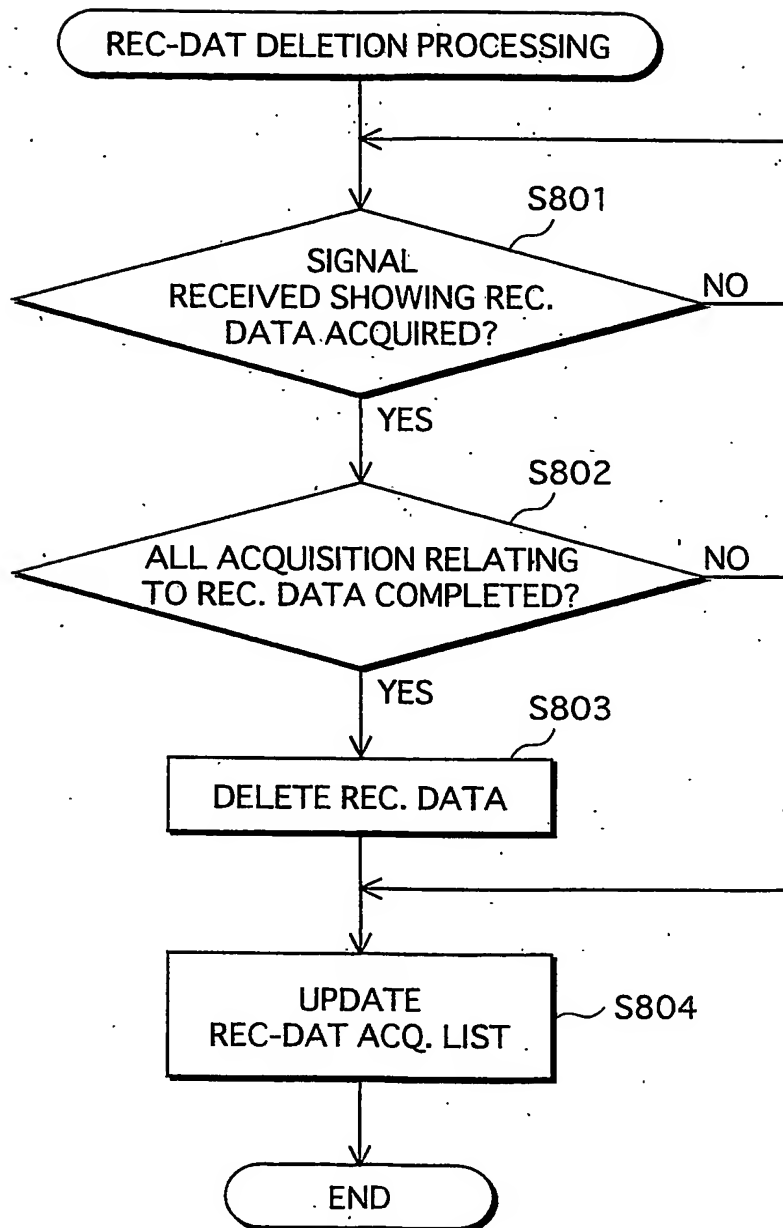
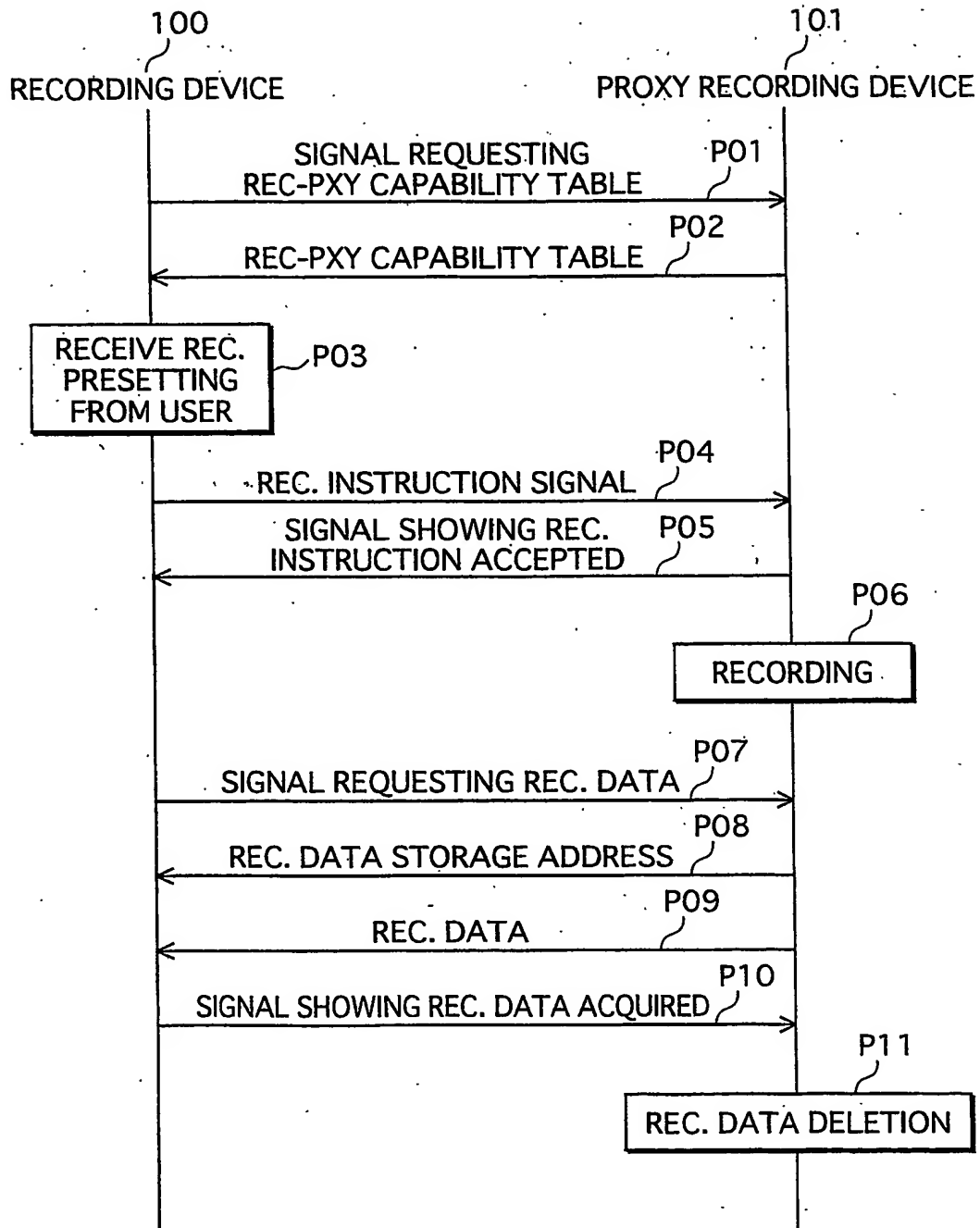


FIG.31



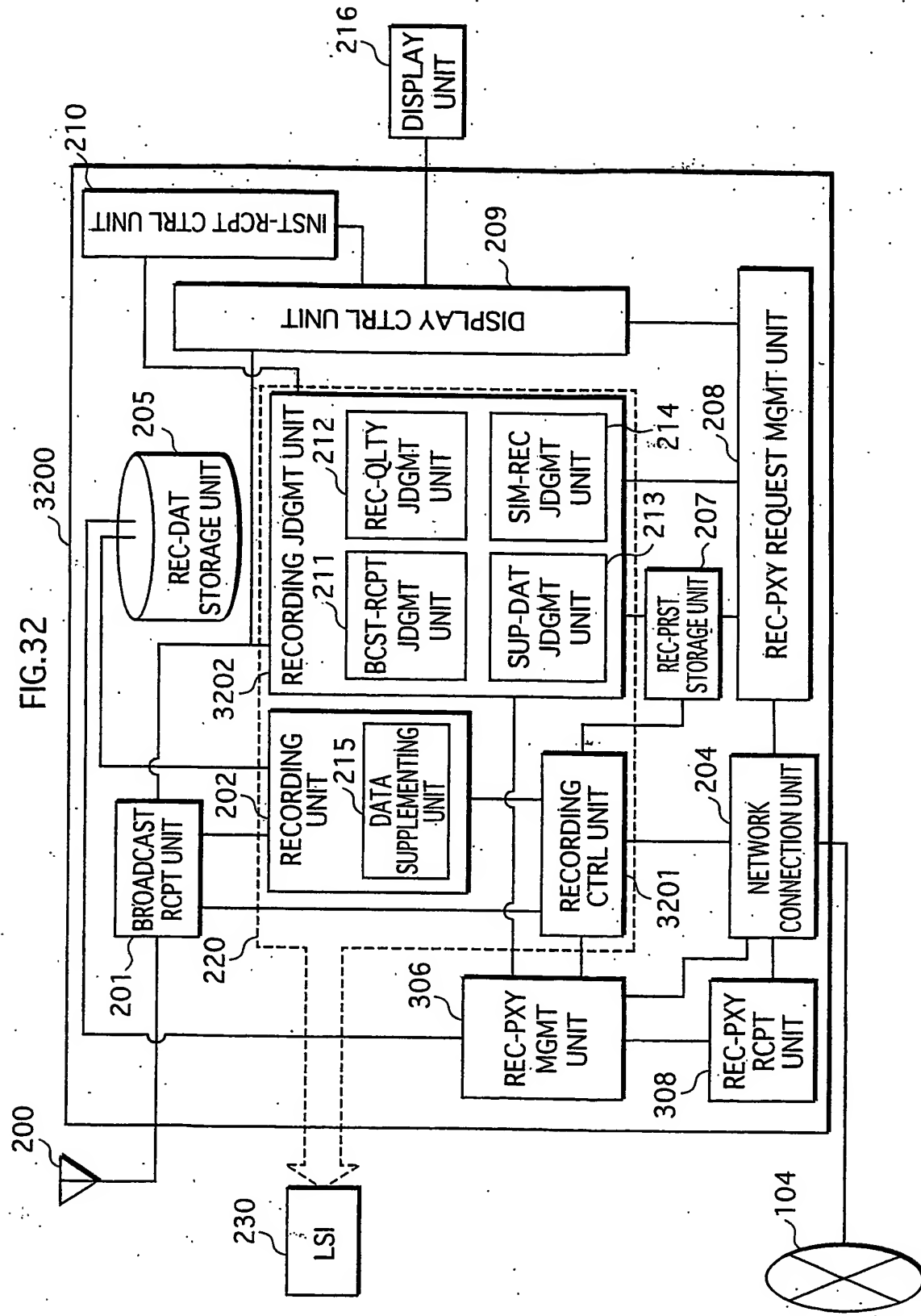


FIG.33

